

2340

Diag. Cht No. - 5530-3

Treasury Department,
U. S. COAST AND GEODETIC SURVEY.

C. H. Tittmann
Superintendent.

State: *California*

DESCRIPTIVE REPORT.

Hyd. Sheet No. *2340A*

LOCALITY:

San Francisco Bay -
Ellis Creek

1905

CHIEF OF PARTY:

"A. F. Rodgers, Asst."

2340a

Department of Commerce and Labor

COAST AND GEODETIC SURVEY

4th September, 1905.

RECEIVED

COAST AND
GEODETIC SURVEY

The Superintendent,

Coast and Geodetic Survey,

U. S. C. & G. SURVEY,
LIBRARY AND ARCHIVES,
WASHINGTON, D. C.
SEP 18 1905
Acc. No.

ACKNOWLEDGED

SEP 11 1905

Superintendent.

✓ Insp'r of Hyd'y & Top'y.
Archives, C&G,
ASSISTANT IN CHARGE.

Dr. Henry Dineen
for, print of tracing
of Ellis Creek
SUBOFFICE
SAN FRANCISCO, CAL.
9/13/5

OFFICE OF ASSIST. IN CHARGE.

SEP 12 1905

COAST AND GEODETIC SURVEY.

In separate package by mail to-day. I forward a sketch showing soundings made in Ellis Creek, or Estuary on the morning of August 15th ult, at the Low Water that occurred at Fort Point, San Francisco at 5.25 A.M. as predicted by the published Tide tables, and at Ellis Creek, at 7.30 A.M. (by observation.)

2. At 6.25 A.M. at Ellis Creek, the fall of the tide was so slow and slight that when the Gauge read 1.2 I commenced sounding. Leaving a man to record the gauge readings every ten minutes, I started very, very slowly up the Creek and having gone to the head of skiff navigation, I returned to the Landing at 8 A.M. to find the lowest reading of the Staff had not been reached until 7.30 when the lowest reading was recorded as 1'.05, at 8 A.M. it was reading 1'.3 again. The difference between the two readings of 1'.3 the first on the falling tide at 6.25 and the other at 8 A.M. on the rising tide, and the L.W. reading being only 0'.15 it is practically true that the soundings were made at Low Water on the morning of August 15th

3. Simultaneous observations were at Presidio Station and Ellis Landing on August 5th and 8th and on both sides of the L.W. on the morning the soundings were made.

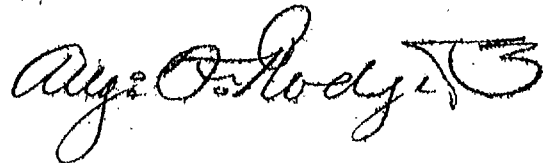
4. The cost of the examination of Ellis Creek or Estuary including the making and placing the Tide staff, wages and transportation, not including my own Ferry and Car fares, amounts to \$30. Thirty six dollars. At present Ellis Landing is difficult to reach, any boat fit to cross San Francisco bay would have difficulty

in keeping the channel with the tide in, and when the flats are exposed the want of depth would be prohibitive.

5. I found the only practicable way to reach the Landing was to cross the Ferry to Oakland, and then take three Electric lines either to Stege or Richmond and then drive to Ellis Landing.

6. I have one and a half columns of soundings and the three tides simultaneous observations to forward, which I shall do in a day or two, though the results of soundings or depths cannot be changed.

Very respectfully,



Assistant, etc.

ANSWERED

SEP 18 1905

Library and Archives.

Sheet 2340^a Ellis Creek
San Francisco Bay California

The soundings were plotted by field party on tracing cloth, which was numbered 2340^a.

A tracing of shoreline from Topographical sheet 2445 was made and transferred to sheet 2340 as a sub-sketch. Then a tracing of the line of soundings up the creek was made from the tracing, as sent from the field, as there is no other data for locating the line, and the reduced soundings plotted on that line, the soundings plotted by field party were without reduction for tide. There is a sketch in the sounding book which is a partial guide for the distance run, but not as to the location of the channel with reference to the shoreline. A low water line is drawn on the tracing, but the soundings do not determine low water, therefore it was left off the sub-sketch. According to the line of soundings plotted one half of a foot opposite Ellis Landing and between H. & I. is the

Sheet 2340^a

best water that can be gained
through to the head of "Skiff navigation"
these two places at least should have been
examined further.

As all sounding are on sheet 2340
the tracing should be made a boat
sheet

J. B. Down

Jan 30 1906.